

Claims

1. A floor covering comprising composition including a matrix and a substance capable of migration within the matrix, the amount of the substance capable of migration being in excess of its compatibility in the matrix.
2. The floor covering according to Claim 1, wherein the matrix is selected from the group consisting of polyvinyl chloride (PVC), ethylene/vinyl acetate copolymer (EVA), homopolymers of ethylenically unsaturated compounds, copolymers of ethylenically unsaturated compounds, ethylene/alkyl acrylate copolymers, ethylene/propylene/diene mixed polymers (EPDM), diene-containing block copolymers, linoleum and poly-reaction products-containing materials based on renewable raw materials.
3. The floor covering according to Claim 1 wherein the floor covering is homogenous.
4. The floor covering according to Claim 1 wherein the floor covering is multilayered.
5. The floor covering according to Claim 2, wherein the PVC has a K-value from about 40 to about 80.
6. The floor covering according to Claim 2, wherein the PVC contains plasticizer in an amount of at least about 12 wt.% based on PVC.
7. The floor covering according to Claim 1, wherein the substance capable of migration is a wax-like substance.
8. The floor covering according to Claim 7, wherein the wax-like substance is selected from the group consisting of a partially synthetic wax, a fully synthetic wax, a natural wax, a modified natural wax and mixtures thereof.

9. The floor covering according to Claim 7, wherein the wax-like substance comprises a plurality of wax-like substances, the wax-like substances having different melting points.
10. The floor covering according to Claims 7, wherein the wax-like substance comprises an amide wax.
11. The floor covering according to Claim 1, wherein the substance capable of migration is present in an amount from about 1.5 wt.% to about 15 wt.% based on the total amount of the matrix.
12. The floor covering according to Claim 1, wherein the floor covering comprises a substrate and a coating, the coating comprising the matrix and substance capable of migration.
13. The floor covering according to Claim 12, wherein the coating has a thickness of about 10 μm to about 100 μm .
14. The floor covering according to Claim 12, wherein the coating comprises the same matrix as the matrix of the substrate.
15. The floor covering according to Claim 12, wherein the substrate is substantially free of the substance capable of migration and the coating comprises the substance capable of migration in an amount from about 1.5 wt.% to about 6 wt.% based on the matrix of the coating.
16. The floor covering according to Claim 12, wherein the coating comprises a particulate material having a hardness greater than the hardness of the matrix of the coating.
17. The floor covering according to Claim 1, wherein the floor covering has a profile with elevations and recesses, the average spacing between profile peaks in the centerline is more than about 200 μm and less than about 1000 μm .

18. The floor covering according to Claim 17, wherein the difference in height between the elevations and the recesses is from about 20 μm to about 200 μm .

19. The floor covering according to Claim 1, wherein the composition comprises a particulate material having a hardness greater than the hardness of the matrix.

20. The floor covering according to Claim 19, wherein the particulate material comprises a polymer.

21. The floor covering according to Claim 19, wherein the particles of the particulate material have a largest diameter from about 2 μm to about 100 μm .

22. The floor covering according to Claim 19, wherein the particulate material is present in an amount from about 1 wt.% to about 20 wt.% based on the total amount of matrix material.

23. The floor covering according to Claim 19, wherein a plurality of the particles of the particulate material protrude above the surface of the matrix.

24. A floor covering comprising a composition including a matrix and a substance capable of migration within the matrix; the amount of the substance capable of migration being in excess of its compatibility in the matrix; wherein the matrix comprises a PVC having a plasticizer content in an amount of at least about 12 wt.% based on PVC and a K-value from about 40 to about 80; wherein the substance capable of migration is a wax-like substance selected from the group consisting of a partially synthetic wax, a fully synthetic wax, a natural wax, a modified natural wax and mixtures thereof; and wherein the substance capable of migration is present in an amount from about 1.5 wt.% to about 15 wt.% based on the total amount of the matrix .

25. The floor covering according to Claim 24, wherein the composition comprises a particulate material having a hardness greater than the hardness of the matrix.